

**AMENDMENTS TO THE SPECIFICATION**

Please amend the specification as follow:

On page 2, paragraph [0006], please amend the paragraph as follows:

[0006] One embodiment of the invention is a method for analyzing power in a component. The method comprises determining a plurality of current densities, wherein each current density is associated with one portion of a plurality of portions of the component, determining a plurality of wire densities, wherein each wire density is associated with one region of a plurality of regions of the component, and comparing the plurality of current densities and the plurality of [[power]] wire densities.

On page 8, paragraph [0035], please amend the paragraph as follows:

[0035] The embodiment may form other types of plots, for example, the plot 403 of FIGURE 4B depicts an example of the current density 404 along the 'BC' section of the plot of FIGURE 4A. Similarly, the plot 405 of FIGURE 4C depicts an example of the power rail density 406 along the 'BC' section of the plot of FIGURE 4A. Another type of plot is shown in FIGURE 6, which depicts a three dimensional plot 600 of the ratio of current density consumed and the wire density (the z-axis) for a two-dimensional layout (the x,y axes). FIGURE 6 This ~~plot 600~~ depicts impulses of ratios for particular locations. Another type of plot is shown in FIGURE 7, which depicts a three dimensional plot 700 of the ratio of current density consumed and the wire density (the z-axis) for a two-dimensional layout (the x,y axes). This plot 700 depicts contours for the data. The three dimensional plot 700 is also shown as mapped onto a two dimensional area 701.